

CALTRANS PHOTOGRAMMETRY MICROSTATION FILES

SEPTEMBER 2004 UPDATE

WHY THE SEPTEMBER 2004 UPDATE (0904)?

The Caltrans Office of Photogrammetry has adopted a new mapping filename convention, beginning with July 2004 mapping orders. The cell “TB” (Title Block) now contains 16 places in the FILENAME: enter data field. The new filename convention will accommodate anticipated changes at Caltrans and also provide additional information about the mapping. New filenames identify both the system of units (metric or English) and the map scale. Details of the new filename convention can be found in the Caltrans CADD Users Manual.

Also, the new cell library filename is changed to ctpphoto0904m.cel. Please delete the old cell library, named mgeocell0504.cel.

WHAT IS IN THIS PACKAGE?

There are now 16 files in **resources0904.exe**, including this one (ResourcesReadMe0904.pdf). Mapping contractors submitting standard Caltrans mapping files should use the following MicroStation support files:

ctfont2004.rsc	Caltrans Font Library
mgeostyle0504.rsc	Caltrans Photogrammetry Metric Custom Line Styles
ctpphoto0904m.cel	Caltrans Photogrammetry Metric Cell Library
geocolor.tbl	Caltrans Photogrammetry Color Table
placpnt01.bas	Place Point Macro (used to place control cells)

For information on configuring MicroStation to use these files, see the section below titled MICROSTATION CONFIGURATION.

The following 3D metric seed files are for the various Caltrans MicroStation version 7 (or earlier) metric design planes. The file mgeoDesignPlanes.dgn shows the location and definition of Caltrans’ MicroStation NAD83 metric design planes.

3dmseedz1.dgn	3dmseedz5e.dgn
3dmseedz2.dgn	3dmseedz5w.dgn
3dmseedz3e.dgn	3dmseedz6.dgn
3dmseedz3w.dgn	mgeoDesignPlanes.pdf
3dmseedz4e.dgn	
3dmseedz4w.dgn	

Please refer to “Standards and Symbols for Photogrammetric Mapping” (SSPM) for details on symbology usage. The SSPM is available on the Caltrans Office of Photogrammetry web site at <http://www.dot.ca.gov/hq/esc/photogrammetry/resources>

The previously distributed user command called “spot.ucm” has been removed. NOTE: See the separate download “extras0504.exe” for a “spot.ucm” replacement.

MICROSTATION CONFIGURATION

DISCLAIMER: The following optional information is provided to assist with the placement of various files so that they can be recognized by MicroStation. It is the users responsibility to determine if this information is appropriate for your system. Caltrans and the Office of Photogrammetry are not responsible for any problems, lost files or corrupted files, or system malfunctions arising from your use of this advice.

The location where the various files from the Office of Photogrammetry should be placed on your system depends on the settings in your MicroStation Workspace. You may use a different Workspace (or User setup) for each client. The settings in a particular Workspace tell MicroStation the path to various files.

IDENTIFYING YOUR RESOURCE FILE DIRECTORY

Open a MicroStation drawing in the Workspace you have used (or will use) for Caltrans mapping. Then, on the menu bar click on Workspace > Configuration... The configuration dialog will open.

In the list under **Category**, click on **Symbology**. Under **Set symbology information** is a highlighted line that says either **Symbology Resources - Site**, or **Symbology Resources - User**. If it says **Site**, your **Expansion** list identifies all resource files in a directory. You will not have to modify the list because MicroStation will find the new files in the directory automatically. If it says **User**, your **Expansion** list identifies individual files. You will have to manually delete the old files from the list and add the new files to the list by clicking the **Select** button and working in the **Select File List for Symbology Resources** dialog box to add and delete the symbology files described below.

There may be one or more directories in this list. In the directory for Caltrans resource files, put the files **ctfont2004.rsc** and **mgeostyle0504.rsc** and delete the old files **ctfont01.rsc** and **geostyle01.rsc** or **mgeostyle0204.rsc**.

IDENTIFYING YOUR CELL LIBRARY DIRECTORY

Within the **Configuration** dialog box click on the **Category** list item **Cells**. The **Set cell library information** list item **Cell Library Directories** should be selected. You do not have to edit your Configuration file, regardless of whether it says **Site** or **User** after **Cell Library Directories**. You will simply have to replace the old file, **mgeo0201.cel** or **mgeocell0504.cel**, with the new file, **ctphoto0904.cel**, in the appropriate cell library directory. You should also delete old cell index files (**mgeo0201.cdx** and/or **mgeocell0504.cdx**). The file **ctphoto0904.cdx** will be created automatically the first time you open the new cell library.

IDENTIFYING YOUR SEED FILES DIRECTORY

Within the **Configuration** dialog box click on the **Category** list item **Seed Files**. The **Set seed file information** list item **Seed File Location** should be selected. Again, this time it does not matter if it says **Site** or **User**. The directory in the **Expansion** list is where you should place the seed files.

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IDENTIFYING YOUR DEFAULT COLOR TABLE

Within the same **Configuration** dialog box click on the **Category** list item **Colors**. The **Set color table settings** list item **Default Color Table** should be selected. The color table has not changed with this update. The old color table is the same as the current color table. If you need to point to this color table in a new install, place the file **geocolor.tbl** in the directory shown at the top of the **Expansion** list. Click the **Select** button and then select the new default color table. Click **OK** to close the **Select** dialog.

ETCETERA

For the Place Point Macro (placpnt01.bas) follow the same procedures described above, except:

To determine the directory where the **Macro** file is to be placed, click on the **Category** list item **Primary Search Path** and then click on the **Set default search paths for locating files** item **Macros**.

When you are finished with the Configuration dialog, click **OK** to save your new configuration. Most of the changes will not take effect until after you close your current drawing.

If you have any questions about these files or instruction, please feel free to contact me.

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